

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 2-methoxy-pyridin-4-ylmethyl ester;

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 3-methoxy-benzyl ester;

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 4-methoxy-benzyl ester;

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 4-fluoro-benzyl ester;

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 4-chloro-benzyl ester;

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 4-bromo-benzyl ester;

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 4-iodo-benzyl ester;

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 4-dimethylamino-benzyl ester; and

3-Benzyl-4-oxo-3,5,7,8-tetrahydro-4H-pyrido[4,3-d]pyrimidine-6-carboxylic acid 4-methylsulfanyl-benzyl ester; or

a pharmaceutically acceptable salt thereof.

Claim 10 (original). A pharmaceutical composition, comprising a compound according to Claim 1, or a pharmaceutically acceptable salt thereof, admixed with a pharmaceutically acceptable carrier, excipient, or diluent.

Ex A

Claim 11 (currently amended). *A* The pharmaceutical composition according—
~~to~~ *According to* ~~as in~~ Claim 10, comprising a compound according to as in Claim 7 or 9, or a pharmaceutically acceptable salt thereof, admixed with a pharmaceutically acceptable carrier, excipient, or diluent.

Ex A [

Claim 12 (original). A method for treating arthritis, comprising administering to a patient suffering from an arthritis disease a nontoxic antiarthritic effective amount of a compound according to Claim 1, or a pharmaceutically acceptable salt thereof.

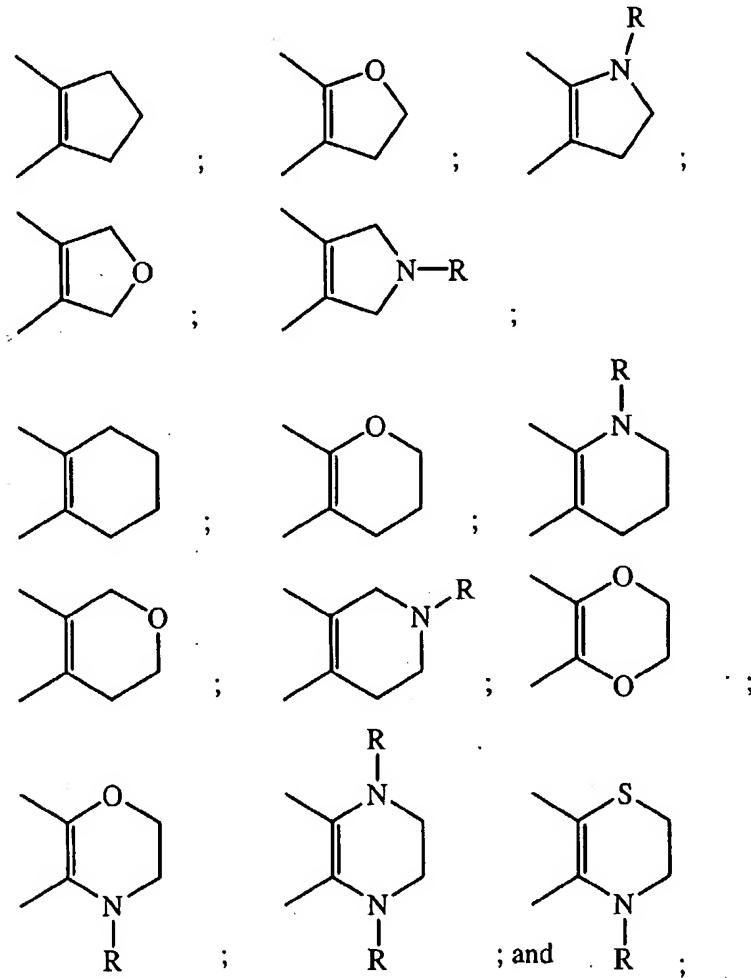
Claim 13 (original). The method according to Claim 12, wherein the arthritis is osteoarthritis or rheumatoid arthritis.

rewrite]

Claim 14 (currently amended). The method according to Claim 13, wherein the compound according to Claim 1 is a compound according to as in Claim 7 or 9.

Claim 15 (new). The compound according to Claim 1, wherein Q is $\text{CH}(\text{R}^5)\text{C}(\text{O})$.

Claim 16 (new). The compound according to Claim 1, wherein R^1 is substituted phenyl-($\text{C}_1\text{-C}_8$ alkylene).



R is H or C₁-C₆ alkyl;

G is CH₂; O, S, S(O); or S(O)₂;

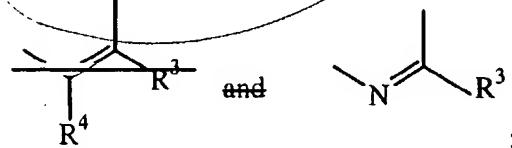
m is an integer of 0 or 1;

Y¹ is CH₂, C(O), or S(O)₂;

Y² is C(O);

Y³ is N(R⁴); or *are taken*

Y² and Y³ ~~may~~ be taken together to form a diradical group *selected from*:



R³ is independently selected from the groups:

Ex 1)

H;

CH₃;

CH₃O;

CH=CH₂;

HO;

CF₃;

CN;

F; and

Cl;

R⁴ is independently selected from the groups:

H;

CH₃;

CH₃O;

HO;

CF₃; and

CN; and

wherein R⁴ is bonded to a carbon atom, R⁴ may further independently be halo or CO₂H;

Q is selected from:

OC(O);

CH(R⁵)C(O);

OC(NR⁵);

CH(R⁵)C(NR⁵);

N(R⁵)C(O);

N(R⁵)C(S);

N(R⁵)C(NR⁵);

CH₂N(R⁵);

SC(O);

CH(R⁵)C(S);

SC(NR⁵);